



Canyon Fuel
Company, LLC.
Sufco Mine

A Subsidiary of Arch Western Bituminous Group, LLC.

Ken May, General Manager
397 South 800 West
Salina, UT 84654
(435) 286-4400 - Office
(435) 286-4499- Fax

July 26, 2007

Permit Supervisor
Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Ingory
C/041/0002
Task # 2834

Re: Construction of Substation Concrete Retaining Wall Amendment, Canyon Fuel Company, LLC, SUFCO Mine C/041/002

Dear Permit Supervisor:

The enclosed eight complete clean copies of the Substation Concrete Retaining Wall Amendment are being submitted for approval to construct a concrete retaining wall to reroute the road past the lower substation. Attached are DOGM forms C-1 and C-2 and appropriate pages.

This new substation concrete retaining wall will not affect any new disturbance to the permitted area or any change in runoff, vegetation, and topsoil. MRP Table 5-4 "Description of Existing Structures" page 5-45 has been updated and is enclosed. New bond calculation sheets and updated surface facility maps (Plates 5-2A and 5-2B) are enclosed. The bond cost estimate requirements for the proposed new substation concrete retaining wall construction is well within the present Sufco posted bond.

Sufco needs approval of this amendment as soon as possible to start construction this summer. If you have any questions or need additional information, please contact Mike Davis at (435) 286-4421.

Sincerely,
CANYON FUEL COMPANY, LLC
SUFCO Mine

Kenneth E. May
General Manager

Encl.

KEM/MLD:kb

cc: DOGM Price Field Office
DOGM Correspondence File

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: CANYON FUEL COMPANY, LLC

Mine: SUFCO MINE

Permit Number: C/041/002

Title: Substation Concrete Retaining Wall

Description, Include reason for application and timing required to implement:

Sufco needs to construct a concrete retaining wall to reroute the road past the lower substation.

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- ☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
- ☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
- ☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- ☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
- ☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- ☐ Yes ☒ No 6. Does the application require or include public notice publication?
- ☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- ☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- ☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
- ☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?

Explain:

- ☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
- ☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- ☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
- ☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- ☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
- ☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- ☒ Yes ☐ No 17. Does the application require or include construction, modification, or removal of surface facilities?
- ☐ Yes ☒ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- ☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
- ☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
- ☒ Yes ☐ No 21. Have reclamation costs for bonding been provided?
- ☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- ☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

KENNETH E. MAY, MINE MANAGER
Print Name

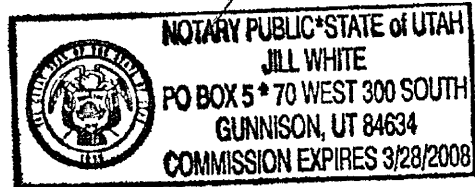
Signature 7/26/07
Signature, Position, Date

Subscribed and sworn to before me this 26th day of July, 2007

Notary Public

My commission Expires: _____, 20____

Attest: State of _____ } ss:
County of _____



For Office Use Only:

Assigned Tracking
Number:

Received by Oil, Gas & Mining

APPLICATION FOR COAL PERMIT PROCESSING

Detailed Schedule Of Changes to the Mining And Reclamation Plan

Permittee: CANYON FUEL COMPANY, LLC

Mine: SUFCO MINE

Permit Number: C/041/022

Title: Substation Concrete Retaining Wall

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED

[illegible]

Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.

Received by Oil, Gas & Mining

TABLE 5-4 (Continued)
Description of Existing Structures

Structure	Construction Date	Construction Materials
ROM MCC Building	Winter 1988	Concrete Block
Sampler Building	Fall 2003	Structural Steel
Sand & Salt Storage	Fall 1982	Concrete
Seal Portals		Concrete
Sediment Trap	Summer 1979	Concrete
Septic Tanks	Summer 1976 / Summer 2006	Steel / Concrete
Shelves	Summer 1990	Steel
Shop Garage	Summer 1989	Pre-Engineered Steel
Shop Office	Summer 1977	Wood
Side Release Tank	Fall 1997	Steel
Steam Cleaner Building	Fall 1981	Concrete
Stoker Belt	Fall 1977	Structural Steel
Stoker Bin	Fall 1977	Structural Steel
Stoker Coal Storage	Fall 1982	Concrete
Stoker Oil Tanks	Fall 1977 / Fall 2004	Steel & Concrete
Storage Trailers	1975	Wood & Aluminum
Substation - Lower	Fall 1991 / Fall 2006 - 2007	Timber & Steel / Concrete / Binwall
Ticket Printers	Summer 1996	Steel
Tipple Building	Fall 1977	Structural Steel
Tipple MCC Building	Summer 2005	Concrete Block
Tipple Office Building	Fall 1977	Concrete Block

TABLE 5-4 (Continued)

Description of Existing Structures

Structure	Construction Date	Construction Materials
ROM MCC Building	Winter 1988	Concrete Block
Sampler Building	Fall 2003	Structural Steel
Sand & Salt Storage	Fall 1982	Concrete
Seal Portals		Concrete
Sediment Trap	Summer 1979	Concrete
Septic Tanks	Summer 1976 / Summer 2006	Steel / Concrete
Shelves	Summer 1990	Steel
Shop Garage	Summer 1989	Pre-Engineered Steel
Shop Office	Summer 1977	Wood
Side Release Tank	Fall 1997	Steel
Steam Cleaner Building	Fall 1981	Concrete
Stoker Belt	Fall 1977	Structural Steel
Stoker Bin	Fall 1977	Structural Steel
Stoker Coal Storage	Fall 1982	Concrete
Stoker Oil Tanks	Fall 1977 / Fall 2004	Steel & Concrete
Storage Trailers	1975	Wood & Aluminum
Substation - Lower	Fall 1991 / Fall 2006 -2007	Steel /Concrete / Binwall
Ticket Printers	Summer 1996	Steel
Tipple Building	Fall 1977	Structural Steel
Tipple MCC Building	Summer 2005	Concrete Block
Tipple Office Building	Fall 1977	Concrete Block

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$1,048,789.00
Subtotal Backfilling and Grading	\$527,469.00
Subtotal Revegetation	\$167,934.00
Direct Costs	\$1,744,192.00

Indirect Costs

Mob/Demob	\$174,419.00	10.0%
Contingency	\$87,210.00	5.0%
Engineering Redesign	\$43,605.00	2.5%
Main Office Expense	\$118,605.00	6.8%
Project Mainagement Fee	\$43,605.00	2.5%
Subtotal Indirect Costs	\$467,444.00	26.8%

Total Cost	\$2,211,636.00
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Escalation factor	0.0444
Number of years	4
Escalation	\$419,729.00

Reclamation Cost Escalated	\$2,631,365.00
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Bond Amount (rounded to nearest \$1,000) 2009 Dollars	\$2,631,000.00
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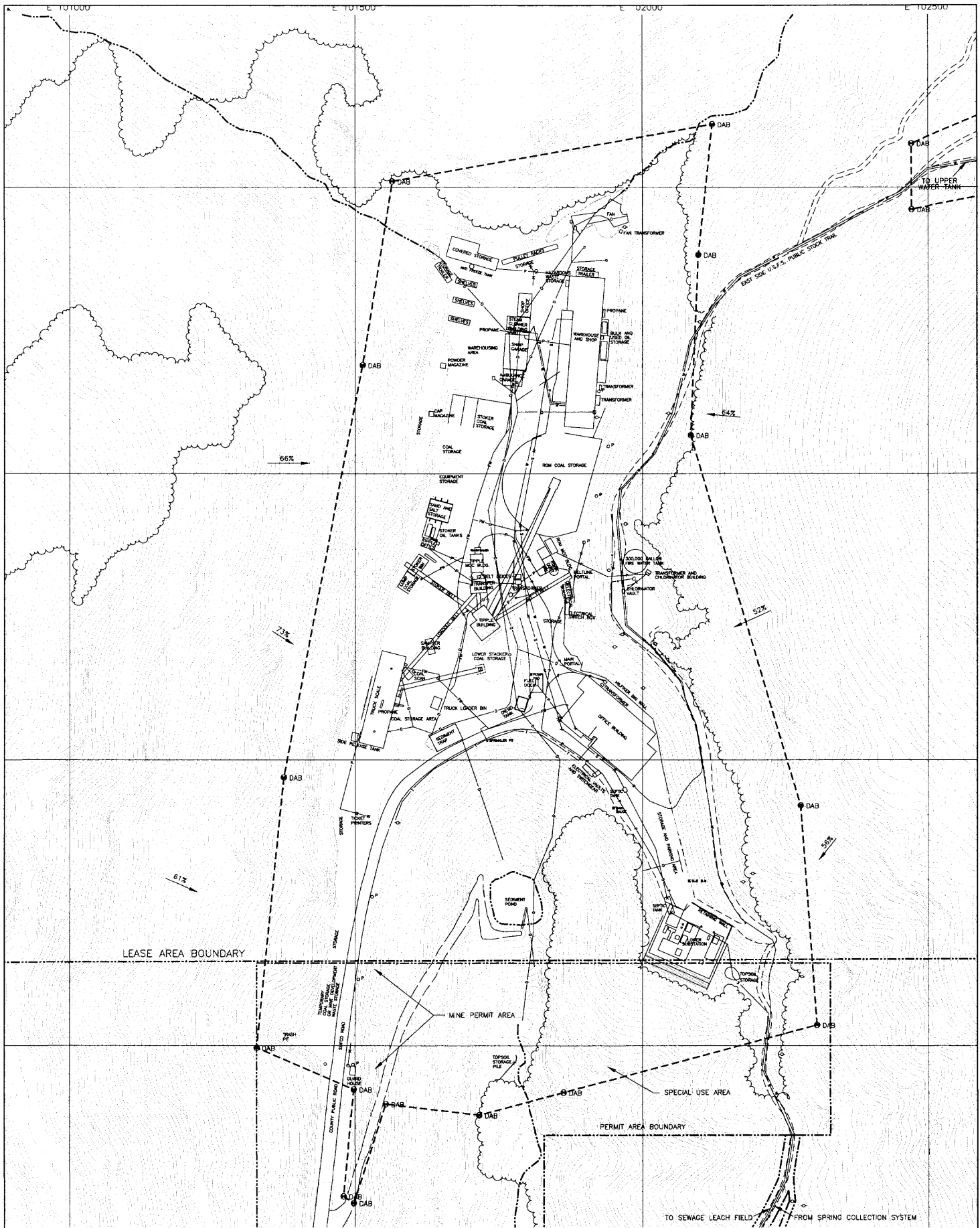
Posted Bond	\$4,439,000.00
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Difference Between Cost Estimate and Bond	\$1,808,000.00
Percent Difference	40.73%

Ref.	Description	Materials	Waste Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Height	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Amblutor Garage																			\$2,504.00
	Belt Drive Tank																			\$12.00
	Belt Carriers A																			\$143,211.00
	Belt Carriers B																			\$33,489.00
	Bulk Coal Storage																			\$1,519.00
	Coal Mill																			\$22.00
	Coal Mill Bld																			\$18.00
	Covered Storage																			\$17,189.00
	Covered Storage																			\$985.00
	Dripstone Cisterns																			\$13,043.00
	Electrical Bld																			\$602.00
	Fan																			\$7,781.00
	Fire Water Tank 300000 Gal																			\$11,126.00
	Fuel Deck																			\$929.00
	Guard House																			\$349.00
	Loadout Belt																			\$2,593.00
	Lower Stacker Coal Storage																			\$2,149.00
	Lumpy Coal Storage																			\$711.00
	No 1 Belt																			
	Office Building																			\$87,377.00
	Pavement Removal																			\$29,153.00
	Powder Magazine																			\$22.00
	Pulley Tracks																			\$972.00
	Pump Houses																			\$3,040.00
	Riprap Filter Fabric																			\$259,568.00
	Hook Duct Bin																			\$3,957.00
	ROM Coal Storage																			\$1,022.00
	ROM MCC Bld																			\$21,139.00
	Samper Building																			\$91.00
	Sand and Salt Storage																			\$1,516.00
	Seal Penals																			\$46,600.00
	Sediment Trap																			\$1,133.00
	Shed																			\$30.00
	Shed																			\$11,147.00
	Shed and Warehouse																			\$2,922.00
	Shop Garage																			\$3,785.00
	Shop Office																			\$18.00
	Side Release Tank																			\$7,111.00
	Steam Cleaner Building																			\$6,695.00
	Stoker Bld																			\$1,104.00
	Stoker Bin																			\$1,755.00
	Stoker Coal Storage																			\$1,539.00
	Storage Bld																			\$1,256.00
	Storage Bld																			\$72,822.00
	Storage Lower																			\$0.00
	Storage Upper																			\$69.00
	Tractor Parking																			\$35,487.00
	Trickle Building																			\$3,161.00
	Trickle MCC Building																			\$2,759.00
	Trickle Office Building																			\$10,303.00
	Transfer Building																			\$1,896.00
	Truck Loader Bin																			\$36,352.00
	Truck Scale																			\$0.00
	Water Tank Upper																			\$0.00
	Water Tank Lower																			\$0.00
	Link Canyon Facilities																			\$9,042.00
	Link Canyon Penals																			\$33,150.00
	Link Canyon Substation																			\$2,591.00
	Fourth East Facilities																			\$18,068.00
	Fan Generator Building																			
	Four East Fan																			
	Total																			\$1,042,769.00

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Substation Lower*																			
	Structure Demolition Cost	Mechanical equipment heavy	15055 300 3500	805	ton							57						57 ton		45895
	Structure's Vol. Demolished																			
	Structure's Weight (excludes steel)																			
	Truck Capacity																			
	Hydrolite																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck Capacity											20								
	Hydrolite																			
	Transportation Cost Steel Truck	Truck dump 16 ton payload	01590 200 5500	435.96/day											3	ton				
	Transportation Cost Steel Truck Drive	Truck Driver, Heavy	Triv	\$42.00/HR												trip/day				438
	Disposal Cost Steel																			336
	Subtotal																			46557
	Equipment's Disposal Cost																			
	Disbanding Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Subtotal																			
	Concrete Demolition	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.7 /CY							61									104
	Concrete's Vol. Demolished																			
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39 /CY													1.3			110
	Transportation Cost	12 CY (16 Ton) Dump Truck 112 mi. mnd. In	02315 490 0320	3.44 /CY																272
	Disposal Costs	On site disposal	02220 240 5550	7.6 /CY																600
	Subtotal																			1085
	Excavation	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.7 /CY																
	Excavate	Front end loader 3 CY	02315 424 1300	1.39 /CY							11846									2038
	Vol. To be Disposed	12 CY (16 Ton) Dump Truck 112 mi. mnd. In	02315 490 0320	3.44 /CY							299									416
	Loading Cost	On site disposal	02220 240 5550	7.6 /CY																1029
	Transportation Cost																			
	Disposal Costs																			2272
	Subtotal																			23655
	Concrete Demolition-Retaining Wall	Concrete demolition	ConcreteDemol	3.97 /CY							60.5									242
	Concrete's Vol. Demolished																			
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39 /CY													1.3			110
	Transportation Cost	12 CY (16 Ton) Dump Truck 112 mi. mnd. In	02315 490 0320	3.44 /CY																272
	Disposal Costs	On site disposal	02220 240 5550	7.6 /CY																600
	Subtotal																			1224
	Total																			72622

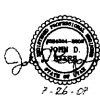
* Upper Substation was removed in the fall of 2005 when the main mine portal under it collapsed. Transformers and electrical switch gear were moved and reinstalled on the lower pad area and Lower Substation in 2006.



EXPLANATION

- FW— FIRE WATER
- W— WATER LINE
- S— SEWER LINE
- P— UNDERGROUND POWER LINE
- T— TELEPHONE LINE
- D— DRAINAGE CULVERT
- SLOPE MEASUREMENT
- FIRE HYDRANT
- DISTURBED AREA BOUNDARY MARKER
- POWER POLE
- P POWER POLE
- POWER POLE

NOTES:
 1. SEE PLATE 5-28 FOR ADJACENT AREAS OUTSIDE THE BOUNDARY OF THIS MAP.
 2. SEE PLATE 7-4 FOR DIMENSIONS.



NO.	DATE	BY	DESIGNED BY	CHKD BY
1	JUNE 26, 2002	MJD	DRW	SWF
2	JUNE 27, 2002	MJD	CHECKED BY	VSB
3	SEP 16, 2002	MJD		
4	NOV 9, 2007	MJD		
5	APR 26, 2007	MJD	SCALE: 1" = 50'	

Canyon Fuel Company, LLC
 SUFCO Mine

DETAIL OF EAST SPRING CANYON SURFACE FACILITIES

387 SOUTH 800 WEST
 SALT LAKE, UTAH 84144